

**Amendments to the Specification:**

Please replace the second paragraph, page 6, with the following:

The diagnostic light 52 then passes through the optical element 32. In this regard it is noteworthy that the diagnostic beam 52 is not directed through the primary aperture 38. Rather, the beam 52 is directed through a secondary, "diagnostic" aperture 58 that is remote from the primary aperture 38. This enables the simultaneous operation of ~~the~~ both the primary and diagnostic optical system without one interfering with the other. As will be explained more fully below, this real-time availability of diagnostic information can be (after suitable processing) displayed and/or used for feedback control of the PEM.